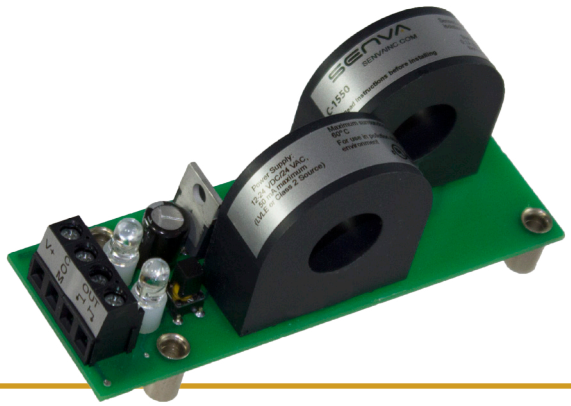
Ratio Monitoring
Fanwall Current Switch

Go/no status for fan walls up to 18 motors
0.1-50A per current transformer
Operates on VFD driven fan walls

Patent Pending



DESCRIPTION

The C-1550 provides load-side "go/no" status for fan walls up to 18 equally sized motors. Using just two CTs, this microprocessor based sensor is able to detect the loss of any one or more motors from the fan array. The unit learns ratio of current A to current B. Ratio is continuously monitored. Output alarms (opens) when measured current ratio is 10% or more different than learned ratio or current is not present. Operation is based on a ratio of load--therefore this sensor is intended for a fanwall installation or section thereof in which a single variable speed drive is utilized. The sensor will also work with non-VFD motor loads.

APPLICATIONS

- Fan wall and other multi-motor installations

FEATURES

Simple and effective fan wall status

- Designed for direct coupled fans
- Works on load side of VFDs
- Solid-state—no moving parts to fail
- Industry leading 7 year limited warranty

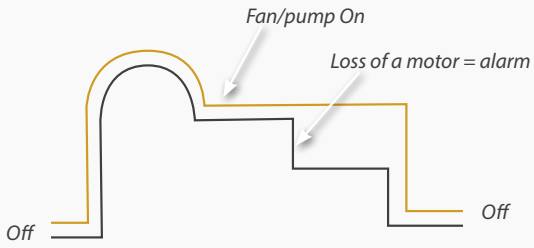
Easy installation

- One device takes the place of up to 18 individual CTs
- Saves panel space and installation time
- Microprocessor monitors motor currents regardless of operating frequency

LED for operational feedback

- Green solid = ready
- Green slow blink = current present and monitoring
- Green fast blink = learning in process
- Red solid = alarm, output open, motor failure detected

Run status based on current for up to 18 motors with a single unit



Two CTs measure the load differential between two groups of motors loads; when a motor is lost, the differential increases and the sensor alarms.

Designed and Assembled In the U.S.A

7 warranty

7 year limited warranty

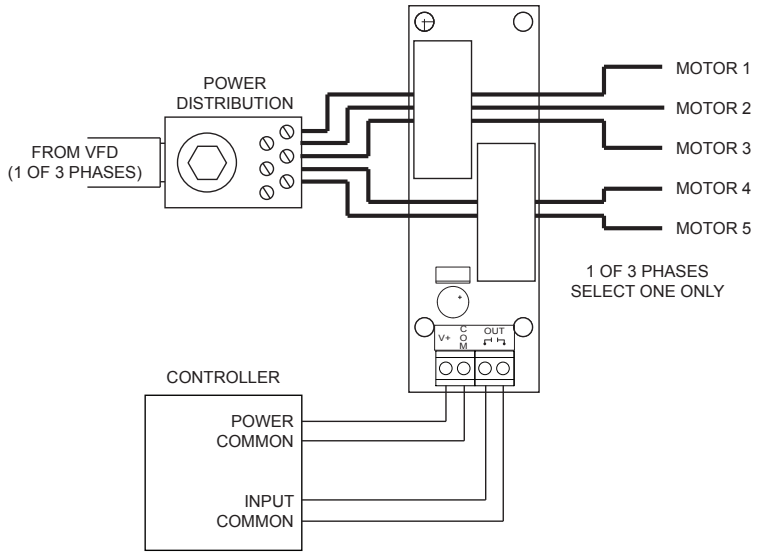
ORDERING INFORMATION

FANWALL SENSOR	Min (on)	Max A	Output*
C-1550	0.1 A	50A	0.1A@30VAC/DC

SPECIFICATIONS

Amperage Range	0.1A (on)-50A (50A max per sensor)
Output Type	NO, solid-state FET
Standard Output Rating	0.1A@30VAC/DC
Temperature Rating	-15-60 ° C, Maximum surrounding air ambient, 60 ° C. For use in Pollution Degree 2 Environment.
Insulation Class	600V RMS. For use on insulated conductors only! Use minimum 75 ° C insulated conductor
Sensor Power	12-24VDC/24VAC, 50mA max
Dimensions (L-W-H)	3.86" l x 1.31" w x 1.85" h
Sensor Aperture	0.58"
Frequency Range	15-60Hz

TYPICAL WIRING



Warning: *Refer to installation instructions that accompany product and heed all safety instructions. Do not rely on current status LED to indicate presence of power.*

DIMENSIONS